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Notice of Allowability

Application No.

10/082,886

Examiner

Anthony Sol

Applicant(s)

BORCHEW ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 6/15/2006.
2. ☒ The allowed claim(s) is/are 2-8, 10-16, and 18, respectively renumbered 1-15.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Allowable Subject Matter

1. Claims 2-8, 10-16, and 18 are allowed.
2. The following is an examiner's statement of reasons for allowance:

Regarding claims 2 and 10,

The prior art of record does not teach or fairly suggest a method or apparatus for segmenting first and second packets into one or more X blocks and one or more Y blocks, respectively, interleaving X and Y blocks into merged block stream in a merge order according to times when X and Y blocks are received from a communication medium, purging certain X blocks from merged block stream when an X purge pattern is identified within one of certain X blocks, wherein said certain X blocks are X blocks segmented from a certain one of first packets, and purging certain Y blocks from merged block stream when a Y purge pattern is identified within one of certain Y blocks, wherein certain Y blocks are Y blocks segmented from a certain one of second packets.

Regarding claims 6 and 14,

The prior art of record does not teach or fairly suggest a method or apparatus for segmenting first and second packets into one or more X blocks and one or more Y blocks, respectively, interleaving X and Y blocks into merged block stream in a merge order according to times when X and Y blocks are received from a communication medium, purging certain X blocks from merged block stream when an X purge pattern is identified within one of certain X blocks, wherein said certain X blocks are X blocks segmented from a certain one of first packets, stuffing blank X blocks into an X stream

of said X blocks when one of second packets but not one of first packets is present on medium, stuffing blank Y blocks into a Y stream of Y blocks when one of first packets but not second packets is present on medium, wherein the step of interleaving includes using blank X and Y blocks as place holders for merging X and Y streams and then discards X and Y blank blocks from merged block stream.

Regarding claims 7 and 15,

The prior art of record does not teach or fairly suggest a method or apparatus for segmenting first and second packets into one or more X blocks and one or more Y blocks, respectively, interleaving X and Y blocks into merged block stream in a merge order according to times when X and Y blocks are received from a communication medium, purging certain X blocks from merged block stream when an X purge pattern is identified within one of certain X blocks, wherein said certain X blocks are X blocks segmented from a certain one of first packets, wherein the step of segmenting includes generating X and Y streams for X and Y blocks, respectively, when first and second packets, respectively, are present on medium, not generating X and Y streams during idle times, and time stamping X and Y block stream for reestablishing reception times of X and Y blocks.

Regarding claims 8 and 16,

The prior art of record does not teach or fairly suggest a method or apparatus for

segmenting first and second packets into one or more X blocks and one or more Y blocks, respectively, interleaving X and Y blocks into merged block stream in a merge order according to times when X and Y blocks are received from a communication medium, purging certain X blocks from merged block stream when an X purge pattern is identified within one of certain X blocks, wherein said certain X blocks are X blocks segmented from a certain one of first packets, pipelining X and Y blocks in merged block stream for providing pipelined X and Y blocks, respectively, at a later time, while X blocks are pipelining, issuing a stop trigger when one of X blocks includes a trigger pattern, and recording pipelined X and Y blocks not purged in a memory for a selected number of pipelined X and Y blocks after stop trigger is issued, wherein the step segmenting includes marking at least one following one of X blocks with post trigger mark, post trigger mark for use by a user for locating an event corresponding to trigger pattern.

Regarding claim 18,

The prior art of record does not teach or fairly suggest an apparatus comprising a first addressable locations having data for Y blocks of first direction packets of bursts and second addressable locations having data for Y blocks of second direction packets of bursts, first addressable locations interspersed with second addressable locations, wherein addresses of first and second addressable locations are ordered within the memory according to reception times of X and Y blocks in communication traffic, wherein X blocks are differentiated as first X blocks for X blocks at the starts of first

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direction packets, respectively, last X blocks at the ends first direction packets, respectively, and middle X blocks of first direction packets, respectively, between first X blocks and last X blocks, and Y blocks are differentiated as first Y blocks for Y blocks at the start of second direction packets, respectively, last Y blocks at the ends second direction packets, respectively, and middle Y blocks of second direction packets, respectively, between first Y blocks and last Y blocks.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anthony Sol whose telephone number is (571) 272-5949. The examiner can normally be reached on M-F 7:30am - 4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hassan Kizou can be reached on (571) 272-3088. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AMS

10/16/2006



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